

Work Order ID 98844

Tuesday, March 26, 2013 1:37:57 PM

98844

Page 1

Item ID: 646.9701

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Item Name: Cutter Sub Assembly

Stop ***NS2***

Start Date: 3/26/2013 Start Qty: 4.00

4

Cust Item ID:

Required Date: 3/28/2013 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals: Process Plan: *mf*

Date: 13-3-26 Tooling:

Date:

Run Start ***NR1***

QC:

Date: SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID Tool # Plan
Code Accept Reject Reject Insp.
Qty Qty Number Stamp

Draw Nbr

Revision Nbr

646.9700

N/C

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

0.00

120

Small Fab

Memo

0.00

Small Fab

Assemble as per dwg and apply loctite 598 on all mating surfaces per note 2.

A/R LOCTITE 598: 124993

130

QC5- Inspect part completeness to step on W/O

0.00

130

QC

Memo

0.00

Quality Control

DAS
16
9-20

13/03/27

174

13-03-264

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Page 2

Item ID: 646.9701

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Cutter Sub Assembly

Start Date: 3/26/2013 Start Qty: 4.00

4

Cust Item ID:

Required Date: 3/28/2013 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursTool ID Tool # Plan Accept Reject Reject Insp.
Code Qty Qty Number Stamp

140

Identify as per dwg & Stock Location: _____

0.00

140

Packaging

Memo

MED FAB Room ~~13-03-27~~

0.00

Packaging

150

QC21- Final Inspection - Work Order Release

0.00


150

QC

Memo

0.00

Quality Control

13/3/27 
MR
13-3-27

Picklist Print

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Page 1

Work Order ID: 98844

Parent Item: 646.9701

Parent Item Name: Cutter Sub Assembly

Start Date: 3/26/2013

Required Date: 3/28/2013

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV:A 12.08.13 NEW ISSUE DD VERE:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.9710 Body		Manufactured	No	91439		110	Each	60.0000	1	4		13-03-26	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST139		60							
				91439		60							
646.9711 Blade		Manufactured	No			110	Each	118.0000	2	8			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST139E		40							
				90824		40							
				ST437		78							
				90800		26							
				91266		52				8		13-03-26	
MS21042L08 Nut		Purchased	No			110	Each	3,894.0000	6	24			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST315		3894							
				122141		3							
				122452		9							
				122814		500							
				123600		3382				24		13-03-26	

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
---	---	---	--	---

Picklist Print

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Page 2

Work Order ID: 98844

Parent Item: 646.9701

Parent Item Name: Cutter Sub Assembly

Start Date: 3/26/2013

Required Date: 3/28/2013

Start Qty: 4.00

Required Qty: 4.00

MS27039-08-19

Purchased

No

110

Each

2,300.0000

6

24

Screw

Location

Loc Qty

Loc Code

ST307

700

123352

600

123525

100

st510

1200

124309

1000

124859

200

ST517

400

124579

400

NAS1149FN832P

Purchased

No

110

Each

8,879.0000

12

48

Washer

Location

Loc Qty

Loc Code

ST294

8879

115158

79

122441

200

123352

200

123522

400

123900

8000

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Shop Packet Print

Page 2

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

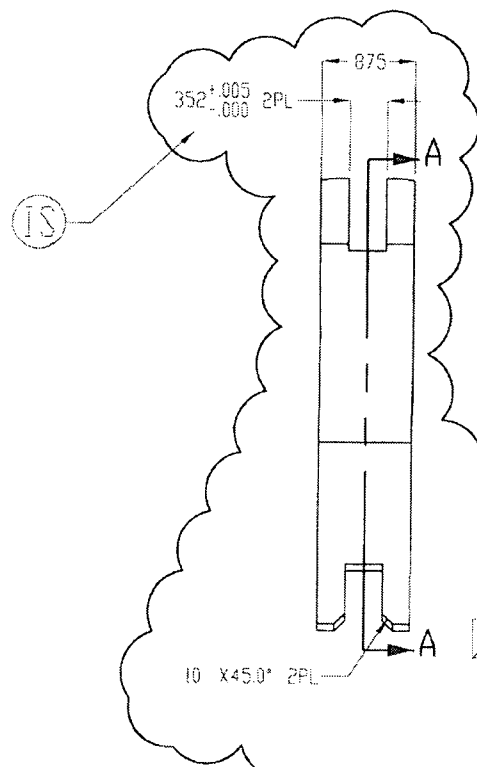
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

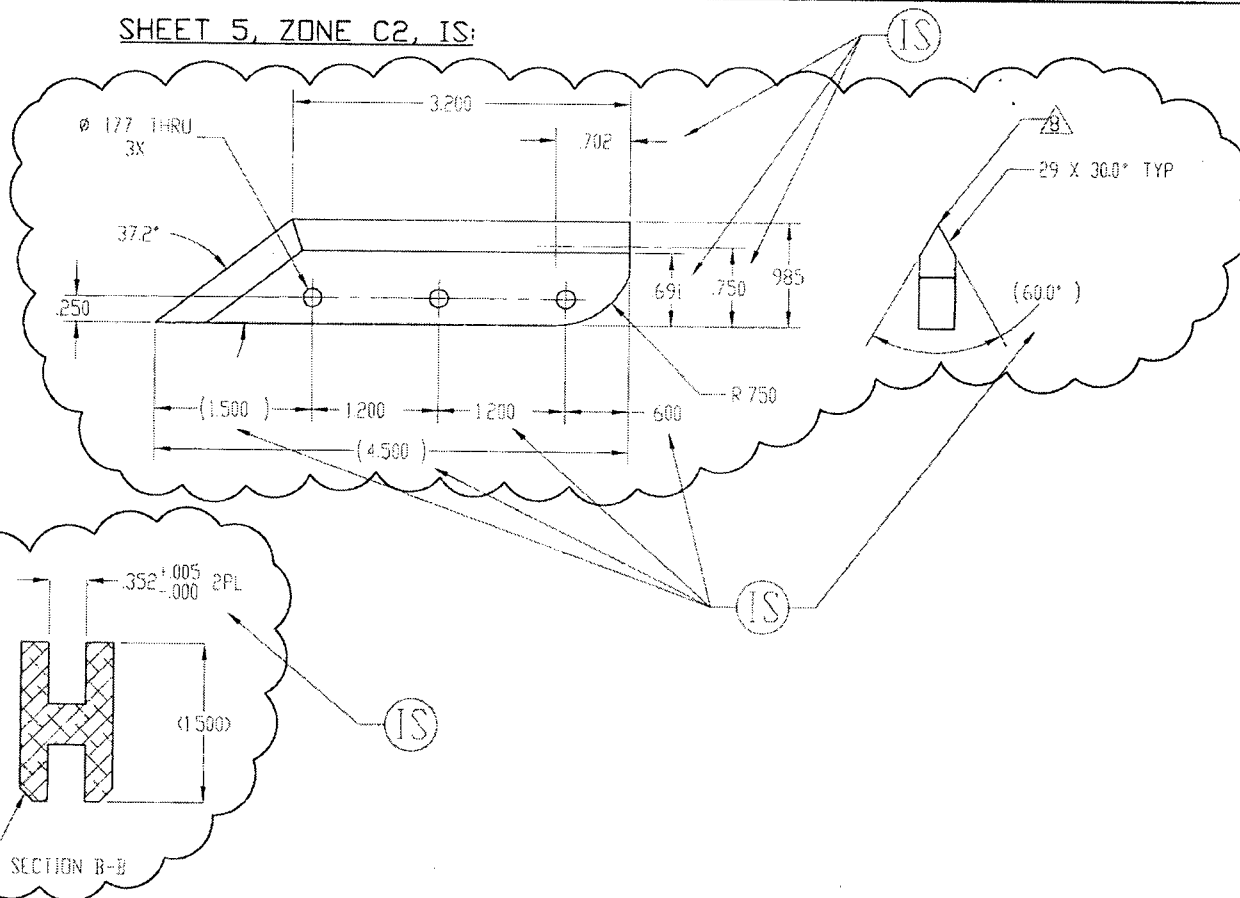
Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabeled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized
		<input type="checkbox"/> Over/Under tolerance
		<input type="checkbox"/> Part Incorrect
		<input type="checkbox"/> Part Lost/Missing
		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02744		SHEET 1 OF 1	
	DWG NO. 646.9700	REV: N/C	PREPARED BY S. HUFF	DATE: 01/07/10
	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.			
DWG TITLE: CUTTER SUB ASSY				
APPROVED BY: ENGR <i>[Signature]</i>	MEG <i>[Signature]</i>	GC <i>[Signature]</i>	EFF: NEXT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED SCREW LENGTH, CHANNEL WIDTHS & DIMENSIONING SCHEME SHEET 5.			

SHEET 2, ZONE C6, IS:

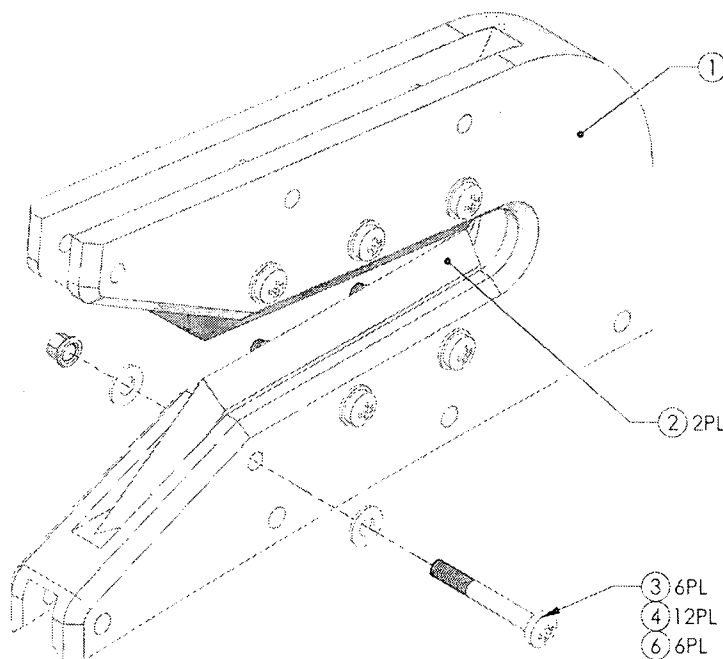


SHEET 5, ZONE C2, IS:



3	R	601.3157	12	SCREW	MS27039-0818
			.9701		
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL / SPECIFICATION
DOCUMENTS EFFECTED:				CHANGE CATEGORY	DER REVIEW REQUIRED
<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input checked="" type="checkbox"/> ICA <input type="checkbox"/> FMS <input checked="" type="checkbox"/> BOM				<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

THE INFORMATION CONTAINED ON THIS DRAWING IS THE PROPERTY OF APICAL INDUSTRIES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. THE MATERIALS AND FINISHES ARE AS SHOWN AND NOTED.



646.9701

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK; CARDINAL 4860-50 PRETREATMENT PRIMER PRIME IAW MIL-P-23377J TYPE I CLASS N; 1-2 MIL MAX
- 3 MATERIAL: AISI A2 TOOL STEEL
CONDITION: ANNEALED
POST PROCESS: HEAT TREAT TO 58-62 Rc ROCKWELL HARDNESS
- 4 FINISH: PRIME IAW MIL-P-23377J TYPE I CLASS N; 1-2 MIL MAX
- 5 DEBURR AND BREAK ALL SHARP EDGES EXCEPT WHERE OTHERWISE NOTED
- 6 IDENTIFY IAW MPP-120
- 7 APPLY F/N 5 AS REQUIRED TO ALL FAYING SURFACES OF F/N 2 UPON ASSEMBLY
- 8 CUTTING EDGE INTENDED TO BE SHARP, DO NOT BREAK SHARP EDGE

UNINCORPORATED ECN(s)

02744

QTY	REV	DATE	DESCRIPTION	MATERIAL	SPEC.
1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
1	5	646.9711	BLADE	646.9711	
1	6	646.9710	BODY	646.9710	
1	7	646.9701	CUTTER SUB ASSY	646.9701	
QTY	REV	DATE	DESCRIPTION	MATERIAL	SPEC.
1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
1	5	646.9711	BLADE	646.9711	
1	6	646.9710	BODY	646.9710	
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1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
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1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
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1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
1	5	646.9711	BLADE	646.9711	
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1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
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1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
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1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
1	5	646.9711	BLADE	646.9711	
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1	2	601.2045	RIV. LOCKW. SPS	601.2045	
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1	4	601.2765	SCREW	601.2765	
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1	3	601.2754	WASHER	601.2754	
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1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
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1	6	646.9710	BODY	646.9710	
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1	2	601.2045	RIV. LOCKW. SPS	601.2045	
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1	6	646.9710	BODY	646.9710	
1	7	646.9701	CUTTER SUB ASSY	646.9701	

QTY	REV	DATE	DESCRIPTION	MATERIAL	SPEC.
1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
1	5	646.9711	BLADE	646.9711	
1	6	646.9710	BODY	646.9710	
1	7	646.9701	CUTTER SUB ASSY	646.9701	

QTY	REV	DATE	DESCRIPTION	MATERIAL	SPEC.
1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
1	5	646.9711	BLADE	646.9711	
1	6	646.9710	BODY	646.9710	
1	7	646.9701	CUTTER SUB ASSY	646.9701	

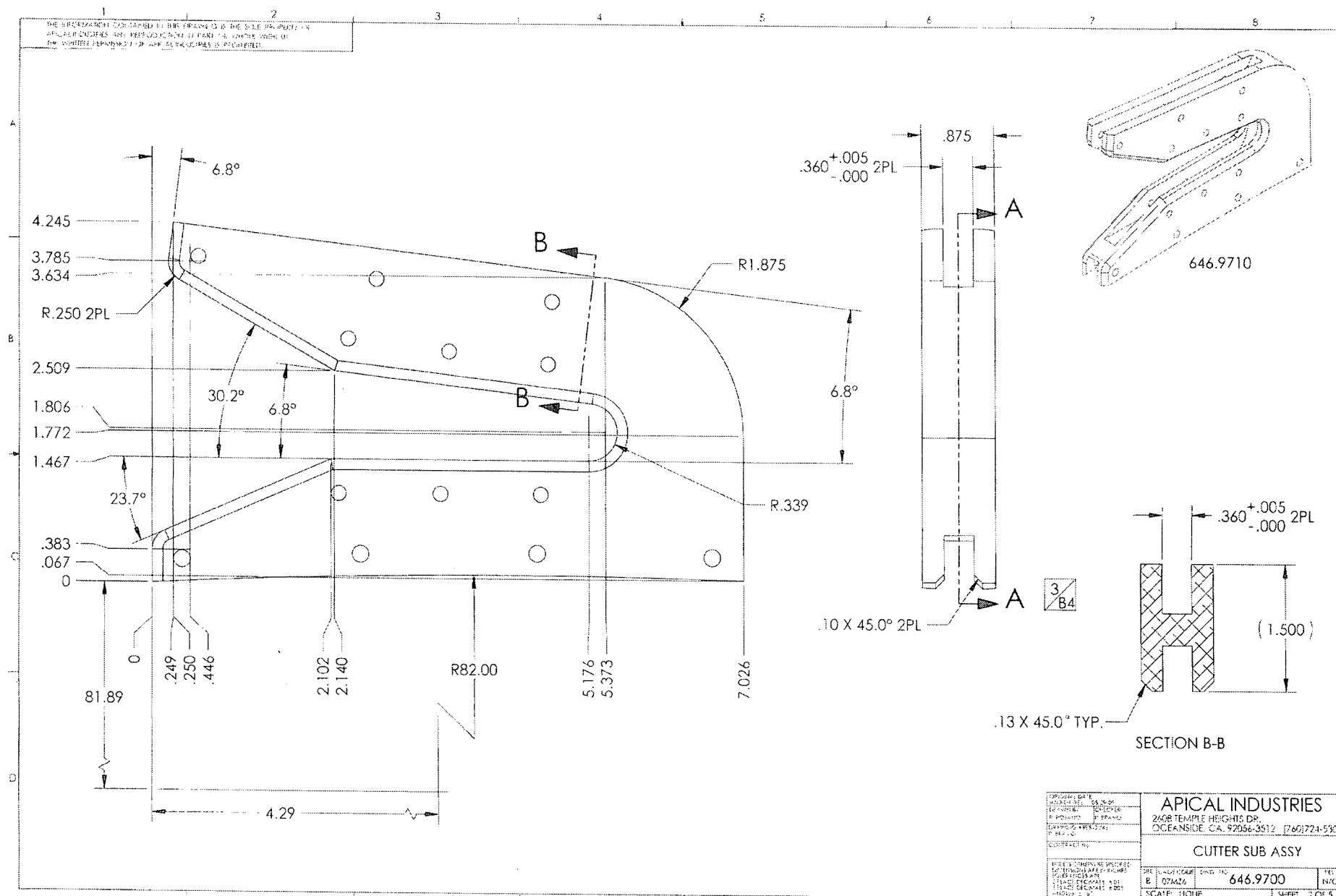
QTY	REV	DATE	DESCRIPTION	MATERIAL	SPEC.
1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
1	5	646.9711	BLADE	646.9711	
1	6	646.9710	BODY	646.9710	
1	7	646.9701	CUTTER SUB ASSY	646.9701	

QTY	REV	DATE	DESCRIPTION	MATERIAL	SPEC.
1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
1	5	646.9711	BLADE	646.9711	
1	6	646.9710	BODY	646.9710	
1	7	646.9701	CUTTER SUB ASSY	646.9701	

QTY	REV	DATE	DESCRIPTION	MATERIAL	SPEC.
1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
1	5	646.9711	BLADE	646.9711	
1	6	646.9710	BODY	646.9710	
1	7	646.9701	CUTTER SUB ASSY	646.9701	

QTY	REV	DATE	DESCRIPTION	MATERIAL	SPEC.
1	1	601.1541	LOCKNUT	601.1541	
1	2	601.2045	RIV. LOCKW. SPS	601.2045	
1	3	601.2754	WASHER	601.2754	
1	4	601.2765	SCREW	601.2765	
1	5	646.9711	BLADE	646.9711	
1	6	646.9710	BODY	646.9710	
1	7	646.9701	CUTTER SUB ASSY	646.9701	

APICAL INDUSTRIES			
2626 TEMPLE HEIGHTS DR.			
OCEANSIDE, CA. 92056-3512 (760) 726-5300			
CUTTER SUB ASSY			
ALT	QTY	REV	DATE
1	1	1	6/27/82
646.9700		REV	
SCALE IN INCH		N/C	
SHEET		OF 6	

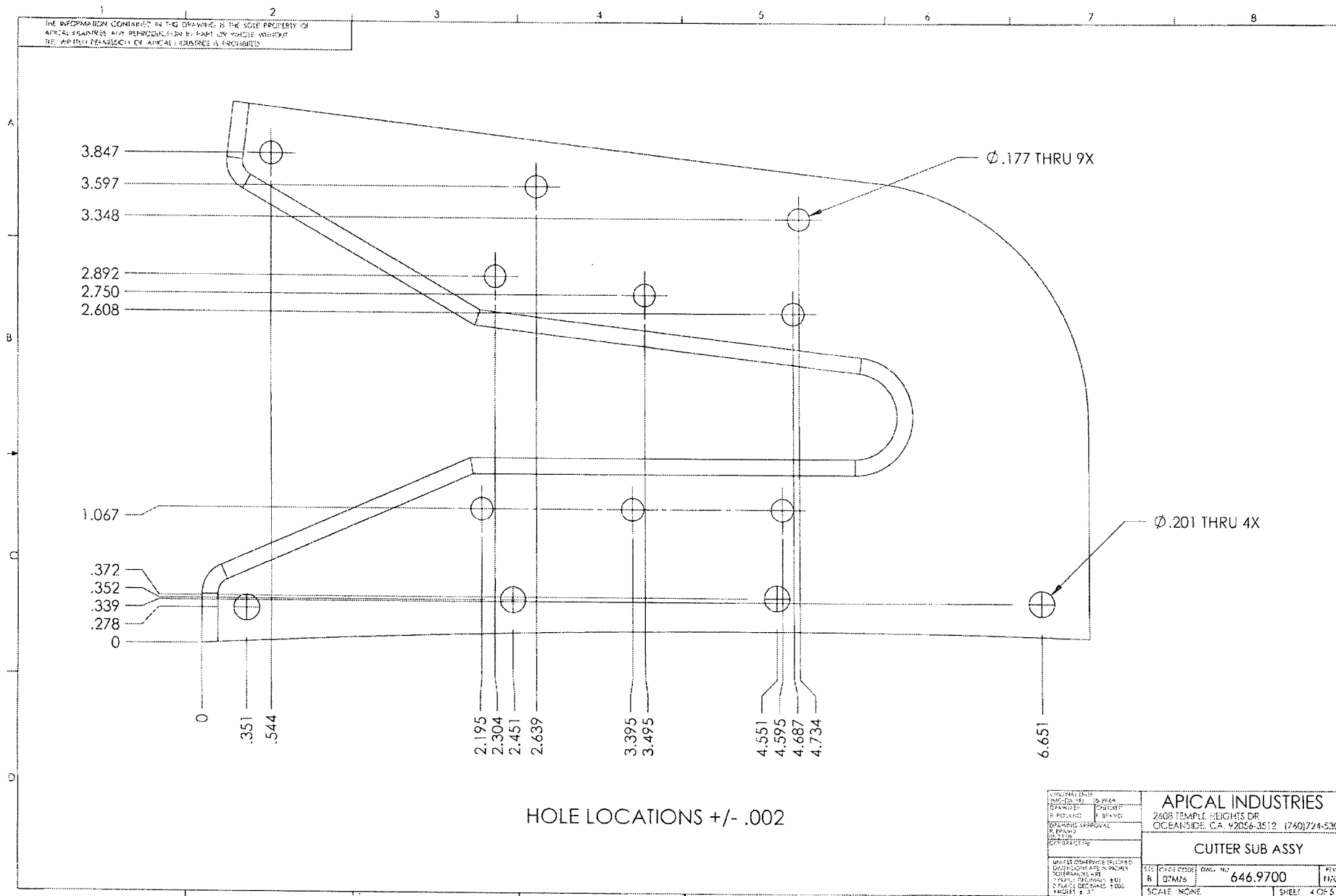


Technical drawing of a mechanical part, likely a bracket or arm, showing dimensions and features. The part has a base with four mounting holes and a curved end. Dimensions include a total width of 5.500, a top flange width of 4.321, and a base width of 3.930. A 6.8 degree angle is indicated on the left. Radii R1.000 and R1.037 are shown at the curved end. A cross-hatched section is visible on the right side.

SECTION A-A 

[illegible]

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APICAL INDUSTRIES	
2808 TEMPLE HEIGHTS DR.	
OCEANSIDE, CA 92056-3512 (760)724-5300	
CUTTER SUB ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS ARE TOLERANCES ARE FRACTIONS DECIMALS ANGLES ARE	<div> <div> <div>REV</div> <div>DATE</div> <div>BY</div> </div> <div> <div>646.9700</div> <div>07/26</div> <div>DMZ</div> </div> <div> <div>SCALE</div> <div>NONE</div> </div> </div>
SHEET 4 OF 5	

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.340^{+0.000}
-.005

Ø.177 THRU
3X

37.2°

.250

1.500

1.200

2.400

4.500

3.200

.500

.985

R.750

646.9711

8

.29 X 30.0° TYP.

PART NAME: CUTTER SUB ASSY DRAWN BY: J. P. BROWN CHECKED BY: J. P. BROWN DATE: 10/1/80 SCALE: 1"=1"		APICAL INDUSTRIES 2678 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760) 724-5300	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DIMENSIONS ARE UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE		CUTTER SUB ASSY 646.9700 SCALE: 1"=1"	
SHEET NO. 1 OF 1		SHEET 1 OF 1	

Jean-Luc Menard

From: Jason Gardiner
Sent: Tuesday, March 26, 2013 3:11 PM
To: David Barker; Jean-Luc Menard
Subject: RE: 646.9710/647.9710 cutter body/PRIMER BUILD UP

I do not have any objections to this.

Regards,

Jason

From: David Barker [<mailto:dbarker@apicalindustries.com>]
Sent: Tuesday, March 26, 2013 11:43 AM
To: Jean-Luc Menard; Jason Gardiner
Subject: RE: 646.9710/647.9710 cutter body/PRIMER BUILD UP

Removing the primer is fine as long as the hard anodize is not removed and the parts are assembled with RTV per the higher level assembly.

Jason – please let us know if you have any objection to this. JL has submitted an ECR to fix this issue on future production.

Thanks,

Dave

From: Jean-Luc Menard [<mailto:jmenard@dartaero.com>]
Sent: Tuesday, March 26, 2013 11:04 AM
To: David Barker
Subject: 646.9710/647.9710 cutter body/PRIMER BUILD UP

Hi Dave,

As discussed as per our phone conversation, is it acceptable to remove some of the primer on the cutter to allow them to mate properly.

Thx,

JL

Jean-Luc Menard
Production Engineering Coordinator

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